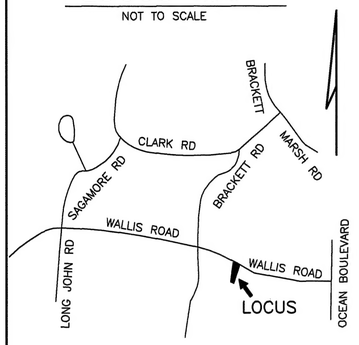
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 446 SCITUATE NEWFIELDS

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	SET NAIL ROOT MAPLE EL 49.57
#2	SET SPIKE EL 50.00
#3	SET NAIL ROOT EL 49.42

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 49.0
2. THERE IS/ARE APPROX 0.0 FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. EL 49.0

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 — EXISTING CONTOUR
- (50) — PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD 4455–2581
2. NHDES–WS&PCD SUBDIVISION APPROVAL NO: N/A LOT OF RECORD RCRD 1408–489 (1956)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO WELLS WITHIN 75' OF PROPOSED SYSTEM NO HYDRIC B SOIL WITHIN 50' OF PROPOSED SYSTEM NO HYDRIC A SOIL WITHIN 65' OF PROPOSED SYSTEM
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404) INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.

PUMP SPECIFICATIONS

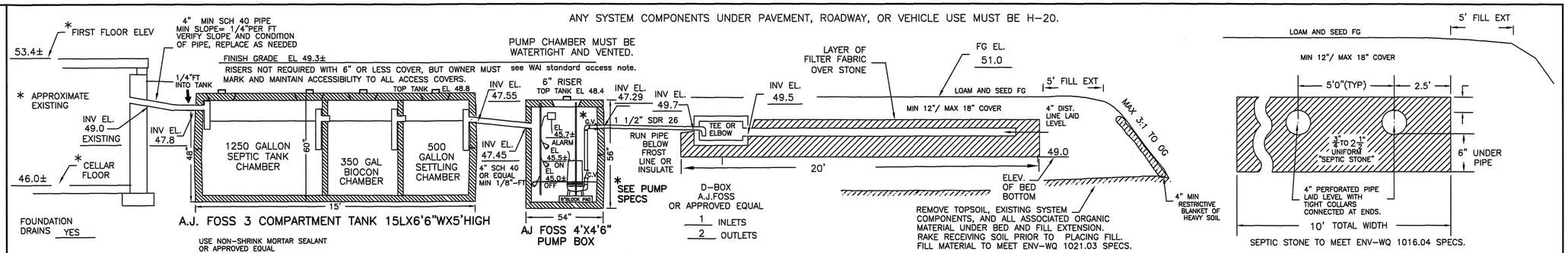
INSTALLER SHALL PROVIDE EFFLUENT PUMP AND ALL CONTROLS TO MEET SITE CONDTIONS.

ONE PUMP HYDROMATIC SHEF30 M1 WITH HIGH WATER ALARM.

FLOATS TO BE SET PER WASTEWATER ALTERNATIVES SPECIFICATIONS TO DELIVER APPROX 55 GALLONS PER DOSE WITH 1 1/2" FORCE MAIN FOR ESTIMATED PUMP RUN TIME OF 2 MINUTES BASED ON 27 GPM DELIVERY AT 14' ESTIMATED TDH.

ALL ELECTRICAL CONTROLS MUST BE APPROVED AS WATERTIGHT BY PUMP MANUFACTURER AND DISTRIBUTOR.

ALL WASTEWATER ALTERNATIVES SPECIFICATIONS AS OUTLINED IN THE CONTRACT AND MAINTENANCE AGREEMENT SUBMITTED WITH THIS APPLICATION ARE TO BE CONSIDERED AN INTEGRAL PART OF THIS PLAN.



CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

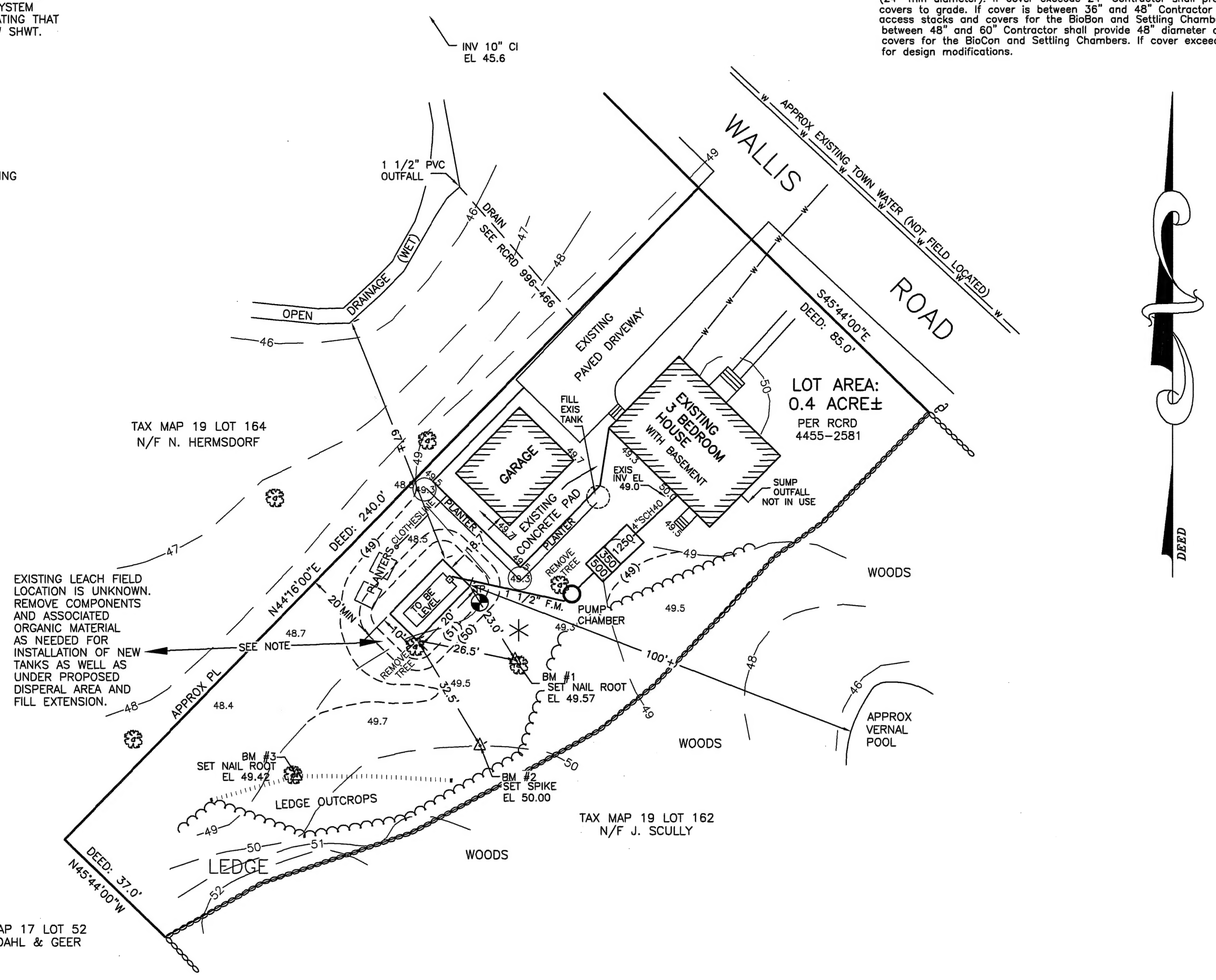
EXISTING SYSTEM FAILURE EVIDENCED BY REPORT FROM PUMPER, SYSTEM BACKUP, AND TEST PIT INDICATING THAT LEACH FIELD IS AT OR BELOW SHWT.

PROPOSED ISDS IS DESIGNED TO SERVICE 1 STRUCTURE WITH DISHWASHER, WASHING MACHINE, TOILETS, AND TUB/SHOWERS. THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL.

PLAN : 1"=20'

WAI STANDARD ACCESS NOTE:

ALL CHAMBERS TO HAVE ACCESS TO FINISH GRADE. (as applicable) (24" min diameter). If cover exceeds 24" Contractor shall provide 30" risers and covers to grade. If cover is between 36" and 48" Contractor shall provide 36" access stacks and covers for the BioBon and Settling Chambers. If cover is between 48" and 60" Contractor shall provide 48" diameter access stacks and covers for the BioCon and Settling Chambers. If cover exceeds 60" contact WAI for design modifications.



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: JANUARY 16, 2012

TOWN INSPECTOR: DENNIS PLANTE

TEST PIT #1 EL 49.0

0 – 8" 10YR3/3 FINE SANDY LOAM TOPSOIL TO BE REMOVED
08–26" 10YR3/6 LOAMY GRAVEL, GRANULAR FRIABLE
26–60" 2.5Y5/4 LOAMY GRAVEL WITH SILTS, FIRM IN PLACE SOME STONES, MOTTLED

ESHWT @ 26", OBSERVED WATER @ 44"
NO REFUSAL TO 60", ROOTS TO 24"+

PT PERC TEST DATA

PERC RATE: N/A FOR CLEAN SOLUTION SYSTEM

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE

DISPERSAL AREA REQUIRED: 75–100 SF PER CLEAN SOLUTION SPECS

DISPERSAL AREA PROPOSED: 10' X 20' = 200 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 96 WALLIS ROAD
RYE, NH
TAX MAP 19 LOT 163

OWNER: BARRY AND BRIAN POWELL
96 WALLIS ROAD
RYE, NH 03870

Designer of Subsurface Disposal Systems
Anne W. Bialobrzeski No. 348
State of New Hampshire Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
603 929–7404

DATE: FEBRUARY 4, 2012

APPROVAL: CA2012107550 2/13/12